

LEIS workshop 2017 - program

CEITEC BUT, Purkyňova 123, 612 00 Brno, 11th – 12th May 2017

Wednesday, 10th May

19:00 informal meeting in CEITEC BUT Purkyňova 123. Banquet.

Thursday, 11th May

9:20 9:40 Registration and welcome coffee/tea.

9:40 9:50 T. Šikola, P. Bauer - Opening of the LEIS Workshop 2017.

9:50 10:00 H. H. Brongersma, Review on P. Bauer's footprint to the Ion Scattering.

10:10 10:30 P. Bauer (JKU Linz), Electronic stopping of He ions in oxides.

10:30 11:00 Philipp Brüner (ION-TOF GmbH), Finding the optimum measurement conditions for low energy ion scattering.

11:00 11:30 Coffee break / posters.

11:30 11:50 S. Prusa (CEITEC BUT), Contamination of Fe-Rh thin layers by carbon studied with help of HS-LEIS.

11:50 12:10 Andrey Zameshin (University of Twente), Layer growth studied by ion collisions.

12:10 13:00 Lunch / posters.

13:10 13:40 **Ulrike Diebold (TU Wien), Using Ion Spectroscopies for Unraveling Atomic-Scale Processes Relevant for Solid Oxide Fuel Cells (invited).**

13:50 14:10 Rik ter Veen (Tascon GmbH), Quantification of LEIS data.

14:10 14:30 Coffee break / posters.

14:30 14:50 Barbara Bruckner (JKU Linz), Tantalum round robin No. 2, summary.

14:50 15:30 Peter Bauer (JKU Linz), Charge exchange in He backscattering from Ta and oxidized surfaces - Tantalum round robin discussion.

15:30 17:00 Discussion of general topics related to the ion scattering.

19:00 Dinner in the city center, sponsored by ION-TOF GmbH (Forhaus, Pekařská 398/4).

Friday, 12th May

9:20 - 9:40 T. Šikola, CEITEC BUT core facility nano – micro.

9:50 10:20 **Daniel Primetzhofer (Uppsala University), Electronic interactions of medium-energy ions with solids: recent results and their implications for high-resolution depth profiling (invited).**

10:30 10:50 Mingshu Chen (Xiamen University, China), Phase Diagrams of Supported Bimetal Nanoparticles: HS-LEIS & XPS Studies.

10:50 11:20 Coffee break / posters.

11:20 11:40 Sarah Fearn (London Centre for Nanotechnology).

11:40 12:00 Summary, notes, plans. H.H. Brongersma, T. Grehl.

12:00 12:10 Ending and invitation to core facility excursion. T. Šikola.

12:10 13:00 Lunch.

13:00 14:00 Excursion to CEITEC BUT core facility labs. M. Urbanek.

Poster presentation:

Cristiane R. S. Vilas Boas (University of Twente), Oxygen diffusion characterization by depth-resolved low energy ion spectroscopy.

Barbara Bruckner (JKU Linz), Charge exchange in He backscattering from Ta and oxidized surfaces - Tantalum round robin summary.

P. Babor (CEITEC BUT), Surface analysis of CdTe crystals.